

ABSTRACT OF THE DISCLOSURE

The invention is generally directed to methods of radiation processing and methods for routine dosimetry, such as for the measurement of radiation dosages delivered to items to be processed by the application of radiation. Radiation-induced heat in an irradiated item is measured with a calorimeter and used to determine the dose of radiation received by the item. Resistive elements such as thermistors may be used in calorimeters to measure the change in temperature of an item receiving radiation, such as in electron beam radiation. Calorimeters exposed to irradiation in the same manner as irradiated items provide routine dosimetry for radiation processing.

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